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APPENDIX A  
CLAIMS ON APPEAL

49. A method for treating a chemically sensitive individual comprising the steps of:

- (a) collecting a blood sample from the individual;
- (b) isolating mixed T and B lymphocytes from the blood sample;
- (c) propagating the isolated mixed T and B lymphocytes to obtain propagated lymphocytes;
- (d) lysing the propagated lymphocytes to obtain a lysate; and
- (e) administering the lysate to the individual.

50. The method according to Claim 49, wherein the step of collecting a blood sample further comprises the step of: collecting the blood sample from the individual by venipuncture in heparinized tubes.

51. The method according to Claim 49, wherein the step of isolating mixed T and B lymphocytes from the blood sample further comprises the steps of: separating the erythrocytes and neutrophils from the lymphocytes of the blood sample by a sodium diatrizoate and polysucrose density gradient technique to obtain a lymphocytic sample; centrifuging the lymphocytic sample; separating and combining the lymphocytic layers from the centrifuged lymphocytic sample; and washing the combined lymphocytic layers to obtain the isolated mixed T and B lymphocytes.

52. The method according to Claim 49, wherein the step of propagating the isolated mixed T and B lymphocytes further comprises the steps of: culturing the isolated mixed T and B lymphocytes with a cell growth medium at about 37°C.

53. The method according to Claim 52, wherein the cell growth medium is supplemented with bovine calf serum.

54. The method according to Claim 52, wherein the step of propagating the lymphocytes further comprises the steps of: centrifuging the cultured lymphocytes; removing the supernate from the centrifuged lymphocytes; and washing the centrifuged lymphocytes in normal saline with further centrifugation to obtain the propagated lymphocytes.

55. The method according to Claim 49, wherein the step of lysing the propagated lymphocytes further comprises the steps of: suspending the propagated lymphocytes in normal saline solution; sonicating the suspended lymphocytes; and filtering the sonicated lymphocytes to obtain the lysate.

56. The method according to Claim 49, wherein the step of administering the lysate to the individual further comprises the step of: determining a therapeutic dose of the lysate by skin testing.

57. The method according to Claim 56, wherein the step of administering the lysate to the individual comprises the step of: injecting the individual subcutaneously with the therapeutic dose of the lysate.

58. The method according to Claim 57, further comprising the step of: injecting the individual subcutaneously with at least one additional therapeutic dose of the lysate.

59. The method according to Claim 49, further comprising the steps of: measuring the clinical symptoms and signs of the individual before administering the lysate, and then measuring clinical symptoms and signs of the individual after administering the lysate.

60. A method for treating a chemically sensitive individual comprising the steps of:
- (a) collecting a blood sample from the individual by venipuncture in heparinized tubes;
  - (b) isolating mixed T and B lymphocytes from the blood sample by:
    - (i) separating the erythrocytes and neutrophils from the lymphocytes of the blood sample by a sodium diatrizoate and polysucrose density gradient technique to obtain a lymphocytic sample;
    - (ii) centrifuging the lymphocytic sample;
    - (iii) separating and combining the lymphocytic layers from the centrifuged lymphocytic sample; and
    - (iv) washing the combined lymphocytic layers to obtain the isolated mixed T and B lymphocytes;
  - (c) propagating the isolated mixed T and B lymphocytes to obtain propagated lymphocytes by:
    - (i) culturing the isolated mixed T and B lymphocytes with a cell growth medium at about 37°C;
    - (ii) centrifuging the cultured lymphocytes;
    - (iii) removing the supernate from the centrifuged lymphocytes; and
    - (iv) washing the centrifuged lymphocytes in normal saline with further centrifugation to obtain the propagated lymphocytes;
  - (d) lysing the propagated lymphocytes to obtain a lysate by:
    - (i) suspending the propagated lymphocytes in normal saline solution;
    - (ii) sonicating the suspended lymphocytes; and
    - (iii) filtering the sonicated lymphocytes to obtain the lysate; and
  - (e) administering the lysate to the individual by:
    - (i) determining a therapeutic dose of the lysate by skin testing; and
    - (ii) injecting the individual subcutaneously with the therapeutic dose of the lysate.

61. The method according to Claim 60, wherein the cell growth medium is supplemented with bovine calf serum.

62. The method according to Claim 60, wherein the culture is monitored until the yield is approximately  $5\text{-}8 \times 10^6$  cells per ml.

63. The method according to Claim 60, wherein the step of administering the lysate to the individual further comprises the step of: subsequently injecting the individual subcutaneously with at least one additional therapeutic dose of the lysate.

64. The method according to Claim 60, further comprising the steps of: measuring the clinical symptoms and signs of the individual before administering the lysate, and then measuring clinical symptoms and signs of the individual after administering the lysate.

65. A method for treating a chemically sensitive individual comprising the steps of:

- (a) collecting a blood sample from the individual;
- (b) isolating mixed T and B lymphocytes from the blood sample, which includes at least some normal T and B lymphocytes;
- (c) propagating the isolated mixed T and B lymphocytes to obtain propagated normal lymphocytes;
- (d) lysing the propagated lymphocytes to obtain a lysate; and
- (e) administering the lysate to the individual.

66. A method according to Claim 65, wherein the step of propagating the isolated mixed T and B lymphocytes further comprises the step of culturing with cell growth medium at  $37^\circ\text{C}$  for a sufficient time to obtain approximately  $5\text{-}8 \times 10^6$  cells per ml.